

enjoying a rejuvenation of interest and in which important advances are being made.

Symposia were conducted in three areas: sleep deprivation and depression, circadian rest-activity and sleep-wake rhythms, and sleep and emotional stress. The symposium on sleep deprivation and depression provides a critical review of the therapeutic effects of sleep deprivation, neurochemical systems that may be involved in this response and the role of circadian rhythms. This symposium takes into account the recent emphasis on shortened rapid eye movement (REM) latency, early morning awakening, diurnal variation in mood, cyclicity and disturbances in other aspects of REM sleep in endogenous depression.

The inclusion of a symposium on circadian rest-activity and sleep-wake rhythms for the first time indicates the increasing recognition of circadian rhythms in sleep and other behaviours. Here further contributions are made regarding the involvement of the suprachiasmatic nucleus in the elaboration of the circadian rhythms and the involvement of genetic factors in the determination of sleep rhythms. New models are proposed to account for observed phase shifts and desynchronization of rhythms in humans and lower mammals.

The third symposium, on emotional stress and sleep, examines factors influencing sleep, wakefulness and stress. These include psychosomatic syndromes and sleep disturbance, biologic and psychologic factors in coping with stress during wakefulness, the role of mood before and after sleep in the subjective evaluation of sleep and dreams, coping with stressful situations through dreaming, the manipulation of dreaming and the application of concepts of coping with stress to clinical sleep disturbances.

Workshop sessions focused on sleep disorders and treatment, dreams, circadian rhythms in the interaction between chronobiology, shift work and sleep, and the influence of noise on sleep and performance. Although sleep disorders and the use of medication in such disorders continue to be high-profile topics, it is refreshing and enlightening to read about new developments concerning cognitive functioning during sleep and to become aware of research relating sleep to problems of everyday living.

In keeping with the eclectic nature of this volume the three special lectures, delivered by recognized experts, deal with disparate topics. These papers provide excellent reviews and indicate the new directions of thought on the role of REM sleep in the development of the central nervous system, on dreams and on narcolepsy.

The remaining papers cover sleep-related investigations in pharmacology, endocrinology, biochemistry, neurophysiology, physiology, perception, memory, sleep disorders, clinical conditions and automated methods of data acquisition.

Although the meeting that this volume is based on was held 2 years ago, the information continues to be relevant and topical. I recommend the book to scientists with a special interest in sleep, to clinicians who deal with patients in whom sleep disturbances are an important component of their clinical condition as well as to the lay person who is interested in the influences of common stimuli and stresses on sleep and wakefulness.

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Diagnostic Radiation. A Possible Factor in Malignancy in Patients with Chronic Inflammatory Bowel Disease and Other Essays. Arnold G. Rogers. 52 pp. Illust. Kromar Printing Ltd., Winnipeg, 1980. \$8, paperbound. ISBN 0-919329-01-2

This is a very short book made up of five papers written between 1977 and the summer of 1979. Some of these papers have already been published.

The author hypothesizes that radiation received during diagnostic investigations may be a carcinogenic factor in colorectal carcinoma in patients with chronic inflammatory bowel disease. He illustrates his case with clinical presentations and a small epidemiologic study.

The attitude of the author is quite surprising and indicates a lack of awareness of modern radiobiology and the work of international radiation protection agencies. It is now well accepted — and has been for more than 20 years — that all radiation exposures carry a risk of harm (i.e., of causing cancer). The larger the dose, the larger the risk. For someone to speak about an "overdose" of x-rays, as Dr. C.G. Roland does in the introduction, is to have missed the point.

Again, trying to link an actual cancer in a specific patient to x-ray exposure is the wrong approach. The radiation risk is a statistical one and by definition can never be applied specifically to one patient. If radiation were the only carcinogen to which the patient was exposed the task would be somewhat easier. However, in the case of multitietologic diseases, such as cancer of the bowel, only a large controlled study would demonstrate unequivocally the added risk and its quantification.

In summary, the papers in this book

do not illustrate the basic problems of radiation protection, and the major references are very outdated. I would not recommend the purchase of this book.

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BOOKS

This list is an acknowledgement of books received. It does not preclude review at a later date.

CLINICAL PATHOLOGY FOR THE HOUSE OFFICER. Jane T. Gaede. 182 pp. Williams & Wilkins, Baltimore, Maryland, 1982. \$9.95 (US); paperbound. ISBN 0-683-03403-0

CLINICAL TOPICS IN INTERNAL MEDICINE. Edited by Gennaro M. Tisi and Helen M. Ranney. 173 pp. Illust. Williams & Wilkins, Baltimore, Maryland, 1982. \$36 (US). ISBN 0-683-08273-6

COMMON HEALTH PROBLEMS IN MEDICAL PRACTICE. E. Scott Medley. 341 pp. Williams & Wilkins, Baltimore, Maryland, 1982. \$30 (US). ISBN 0-683-05903-3

CONCEPTS IN PEDIATRIC NEUROSURGERY II. Edited by the American Society for Pediatric Neurosurgery. 219 pp. Illust. S. Karger AG, Basel, Switzerland, 1982. \$114 (US). ISBN 3-8055-3454-X

CROSS-SECTIONAL ECHOCARDIOGRAPHY. Arthur E. Weyman. 525 pp. Illust. Lea & Febiger, Philadelphia, 1982. \$58.25. ISBN 0-8121-0794-2

DERMATOLOGY FOR THE HOUSE OFFICER. Peter J. Lynch. 277 pp. Illust. Williams & Wilkins, Baltimore, Maryland, 1982. \$9.95 (US), paperbound. ISBN 0-683-05250-0

DIAGNOSIS AND MANAGEMENT OF UVEITIS. An Atlas Approach. Alan H. Friedman, Maurice H. Luntz and Walter L. Henley. 116 pp. Illust. Williams & Wilkins, Baltimore, Maryland, 1982. \$114 (US). ISBN 0-683-03379-4

DRUGS AND ANESTHESIA. Pharmacology for Anesthesiologists. Edited by Margaret Wood and Alastair J.J. Wood. 746 pp. Illust. Williams & Wilkins, Baltimore, Maryland, 1982. \$68 (US). ISBN 0-683-09251-0

EMERGENCY RADIOLOGY. Self-Assessment. Charles F. Mueller and Douglas A. Rund. 307 pp. Illust. Williams & Wilkins, Baltimore, Maryland, 1982. \$44 (US). ISBN 0-683-06150-X

ENDOCRINE PATHOLOGY. General and Surgical. Second Edition. Edited by J.M.B. Bloodworth Jr. 895 pp. Illust. Williams & Wilkins, Baltimore, Maryland, 1982. \$115 (US). ISBN 0-683-00854-4

GENITOURINARY DIFFERENTIAL DIAGNOSIS. Michael M. Warren. 278 pp. Illust. Williams & Wilkins, Baltimore, Maryland, 1982. \$38 (US). ISBN 0-683-08801-7

HANDBOOKS IN OPHTHALMOLOGY SERIES. Visual Electrodiagnostic Testing. A Practical Guide for the Clinician. Ronald E. Carr and Irwin M. Siegel. 126 pp. Illust. Williams & Wilkins, Baltimore, Maryland, 1982. \$38 (US). ISBN 0-683-01462-5

HERPES HANDBOOK. A Guide for the Diagnosis and Management of Herpes Genitalis. Project Team of The Herpes and Women Project, Miriam Mandel, Grace Lesniak, Sheila Lynch and Gail Nixon. Edited by Melinda Cuthbert and the R.E.A.C.H. Board of Directors. 61 pp. Illust. R.E.A.C.H. Publications, Toronto, 1981. Price not stated, spiralbound. ISBN 0-919559-00-X

INTERNATIONAL ACADEMY OF PATHOLOGY MONOGRAPH SERIES NO. 23. Current Topics in Inflammation and Infection. Edited by Guido Majno, Ramzi S. Cotran and Nathan Kaufman. 242 pp. Illust. Williams & Wilkins, Baltimore, Maryland, 1982. \$46 (US). ISBN 0-683-05401-5

MATERIAL MANAGEMENT AND PURCHASING FOR THE HEALTH CARE FACILITY. John H. Holmgren and Walter J. Wentz. 362 pp. Illust. AUPHA Press, Ann Arbor, Michigan, 1982. \$25 (US), paperbound. ISBN 0-914904-72-8

MEDICAL EMBRYOLOGY. Fourth Edition. Jan Langman. 384 pp. Illust. Williams & Wilkins, Baltimore, Maryland, 1982. \$23.75 (US). ISBN 0-683-04858-9

MEDICINE AND SPORT. Vol. 16. Physical Structure of Olympic Athletes. Part I. The Montreal Olympic Games Anthropological Project. Edited by J.E.L. Carter. 181 pp. Illust. S. Karger AG, Basel, Switzerland, 1982. \$69 (US). ISBN 3-8055-3502-3

NATIONAL CANCER INSTITUTE MONOGRAPH 58. December 1981. Carcinogenic and Mutagenic N-Substituted Aryl Compounds. Proceedings of an International Conference held in Rockville, Maryland, November 7-9, 1979. John L. Ziegler (editor-in-chief). 258 pp. Illust. NIH publ no 81-2379, US Dept. of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, 1982. Price not stated. For sale only by the Superintendent of Documents, US Govt Printing Office, Washington, DC 20402

ORAL RADIOLOGY. H. Guy Poyton. 403 pp. Illust. Williams & Wilkins, Baltimore, Maryland, 1982. \$32 (US). ISBN 0-683-06964-0

PATHOLOGY. Understanding Human Disease. Abner Golden. 480 pp. Illust. Williams & Wilkins, Baltimore, Maryland, 1982. \$26.25 (US). ISBN 0-683-03726-9

PEDIATRIC ANGIOGRAPHY. Edited by Philip Stanley and John H. Miller. 425 pp. Illust. Williams & Wilkins, Baltimore, Maryland, 1982. \$90 (US). ISBN 0-683-07898-4

PEDIATRIC ELECTROCARDIOGRAPHY. Edited by Jerome Liebman, Robert Plonsey and Paul C. Gillette. 354 pp. Illust. Williams & Wilkins, Baltimore, Maryland, 1982. \$66 (US). ISBN 0-683-05030-3

PESTICIDES STUDIED IN MAN. Wayland J. Hayes Jr. 672 pp. Illust. Williams & Wilkins, Baltimore, Maryland, 1982. \$108 (US). ISBN 0-683-03896-6

PLASTIC AND RECONSTRUCTIVE SURGERY OF THE FACE. Flaps of the Head and Neck. Frank W. Pirruccello. 97 pp. Illust. Williams & Wilkins, Baltimore, Maryland, 1982. \$31 (US). ISBN 0-683-06889-X

PRIMARY ANATOMY. Eighth Edition. John V. Basmajian. 409 pp. Illust. Williams & Wilkins, Baltimore, Maryland, 1982. \$23.50 (US). ISBN 0-683-00550-2

PROGRESS IN ALLERGY. Vol. 32. Regulation of the IgE Antibody Response. Edited by Kimishige Ishizaka. 345 pp. Illust. S. Karger AG, Basel, Switzerland, 1982. \$127.75 (US). ISBN 3-8055-3470-1

PSEUDOSEIZURES. Edited by Terrence L. Riley and Alec Roy. 231 pp. Williams & Wilkins, Baltimore, Maryland, 1982. \$40 (US). ISBN 0-683-07280-3

PSYCHIATRIC ILLNESS IN PHYSICIANS. Edited by Samuel E.D. Shortt. 329 pp. Illust. Charles C. Thomas, Publisher, Springfield, Illinois, 1982. Price not stated. ISBN 0-398-04638-7

REFUSING TREATMENT IN MENTAL HEALTH INSTITUTIONS — VALUES IN CONFLICT. Proceedings of a Conference Sponsored by the American Society of Law & Medicine and Medicine in the Public Interest, Inc., November 1980. Edited by A. Edward Doudera and Judith P. Swazey. 213 pp. Health Administration Press, Ann Arbor, Michigan, 1982. \$24 (US). ISBN 0-914904-77-9

REHABILITATION MEDICINE LIBRARY SERIES. Chronic Pain. Psychosocial Factors in Rehabilitation. Edited by R. Roy and E. Tunks. 226 pp. Williams & Wilkins, Baltimore, Maryland, 1982. ISBN 0-683-07394-X

REHABILITATION MEDICINE LIBRARY SERIES. Therapeutic Heat and Cold. Third Edition. Edited by Justus F. Lehmann. 641 pp. Illust. Williams & Wilkins, Baltimore, Maryland, 1982. \$55 (US). ISBN 0-683-04907-0

RH HEMOLYTIC DISEASE. New Strategy for Eradication. Edited by Fredric David Frigoletto, Jr, John Figgis Jewett and Angelyn Adele Konugres. 301 pp. Illust. G.K. Hall Medical Publishers, Boston, 1982. \$35 (US). ISBN 0-8161-2248-2

THIRD INTERNATIONAL SYMPOSIUM OF PLASTIC AND RECONSTRUCTIVE SURGERY OF THE EYE AND ADNEXA. Edited by Sherrell J. Aston, Albert Hornblass, Murray A. Meltzer and Thomas D. Rees. 362 pp. Illust. Williams & Wilkins, Baltimore, Maryland, 1982. \$78 (US). ISBN 0-683-05951-3

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